

Title (en)
Cyclic adhesion inhibitors.

Title (de)
Cyclische Adhäsionsinhibitoren.

Title (fr)
Inhibiteurs d'adhésion cycliques.

Publication
EP 0632053 A2 19950104 (DE)

Application
EP 94104396 A 19940321

Priority
DE 4310643 A 19930401

Abstract (en)
Claimed are cyclopeptides of the formula cyclo-(Arg-B-Asp-D-E) (I) where B = Gly, Ala, -HN-Q-CO- and D and E are independently Gly, -HN-Q-CO-, Ala, Asn, Asp, Asp(OR), Arg, 3-cyclohexyl alanine, Cys, Gln, Glu, His, Ile, Leu, Lys, Lys(Ac), Lys (AcNH₂), Lys(AcSH), Met, 3-(2-naphthyl)-alanine, norleucine, ornithine, Phe, 4-halogen-Phe, phenylglycine, proline, 3-(2-pyridyl)-alanine, Ser, Thr, 3-(2-thienyl)-alanine, tetrahydroisoquinoline-3-carbonic acid, Trp, Tyr or Val or their derivs., R = alkyl with 1-6 C-atoms, Hal = F, Cl, Br, I; Q = alkylene with 1-6 C atoms and Ac = alkanoyl with 1-10 C-atoms, where applicable either the D- and L-forms, and the physiological salts thereof. Also claimed is (a) the prodn. of I, (b) a pharmaceutical compsn. including I, and (c) (b's) prodn.

Abstract (de)
Die Erfindung betrifft neue Cyclopeptide der Formel I Cyclo-(Arg-B-Asp-D-E) I, worin B, D und E die in Anspruch 1 angegebene Bedeutung besitzen, sowie deren Salze. Diese Verbindungen wirken als Integrin-Inhibitoren und können insbesondere zur Prophylaxe und Behandlung von Erkrankungen des Kreislaufs und in der Tumorthherapie verwendet werden.

IPC 1-7
C07K 7/52; A61K 38/00; C07K 17/08

IPC 8 full level
A61K 38/00 (2006.01); **A61K 38/08** (2006.01); **A61K 38/12** (2006.01); **A61P 9/00** (2006.01); **A61P 19/00** (2006.01); **A61P 35/00** (2006.01); **C07K 1/113** (2006.01); **C07K 1/22** (2006.01); **C07K 7/52** (2006.01); **C07K 7/64** (2006.01); **C07K 14/75** (2006.01); **C07K 14/78** (2006.01); **C07K 17/08** (2006.01)

CPC (source: EP US)
A61P 9/00 (2017.12 - EP); **A61P 19/00** (2017.12 - EP); **A61P 35/00** (2017.12 - EP); **C07K 14/75** (2013.01 - EP US); **A61K 38/00** (2013.01 - EP US)

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US6127335A; CZ299879B6; US6689787B1; KR100438378B1; WO9738009A1; WO2004011487A3

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU NL PT SE

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US 5849692 A 19981215; AT E184288 T1 19990915; AU 5918594 A 19941006; AU 684489 B2 19971218; CA 2120303 A1 19941002; CA 2120303 C 20070501; CN 1056851 C 20000927; CN 1099760 A 19950308; CZ 286768 B6 20000712; CZ 70494 A3 19950118; DE 4310643 A1 19941006; DE 59408715 D1 19991014; DK 0632053 T3 20000313; EP 0632053 A2 19950104; EP 0632053 A3 19950215; EP 0632053 B1 19990908; ES 2138632 T3 20000116; GR 3032074 T3 20000331; HU 9400937 D0 19940628; HU T69726 A 19950928; JP 3694332 B2 20050914; JP H06329698 A 19941129; KR 100304201 B1 20011130; NO 313756 B1 20021125; NO 941152 D0 19940329; NO 941152 L 19941003; PL 178791 B1 20000630; RU 2130030 C1 19990510; SK 281828 B6 20010806; SK 38394 A3 19950208; TW 343198 B 19981021; UA 34436 C2 20010315; US 6169072 B1 20010102

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US 61677096 A 19960315; AT 94104396 T 19940321; AU 5918594 A 19940330; CA 2120303 A 19940330; CN 94103298 A 19940330; CZ 70494 A 19940325; DE 4310643 A 19930401; DE 59408715 T 19940321; DK 94104396 T 19940321; EP 94104396 A 19940321; ES 94104396 T 19940321; GR 990403165 T 19991208; HU 9400937 A 19940331; JP 9682994 A 19940331; KR 19940006639 A 19940331; NO 941152 A 19940329; PL 30285494 A 19940331; RU 94011276 A 19940331; SK 38394 A 19940331; TW 83102761 A 19940330; UA 94005107 A 19940302; US 16458598 A 19981001